



# THE “YANKEE” HURRICANE OF NOVEMBER 1935



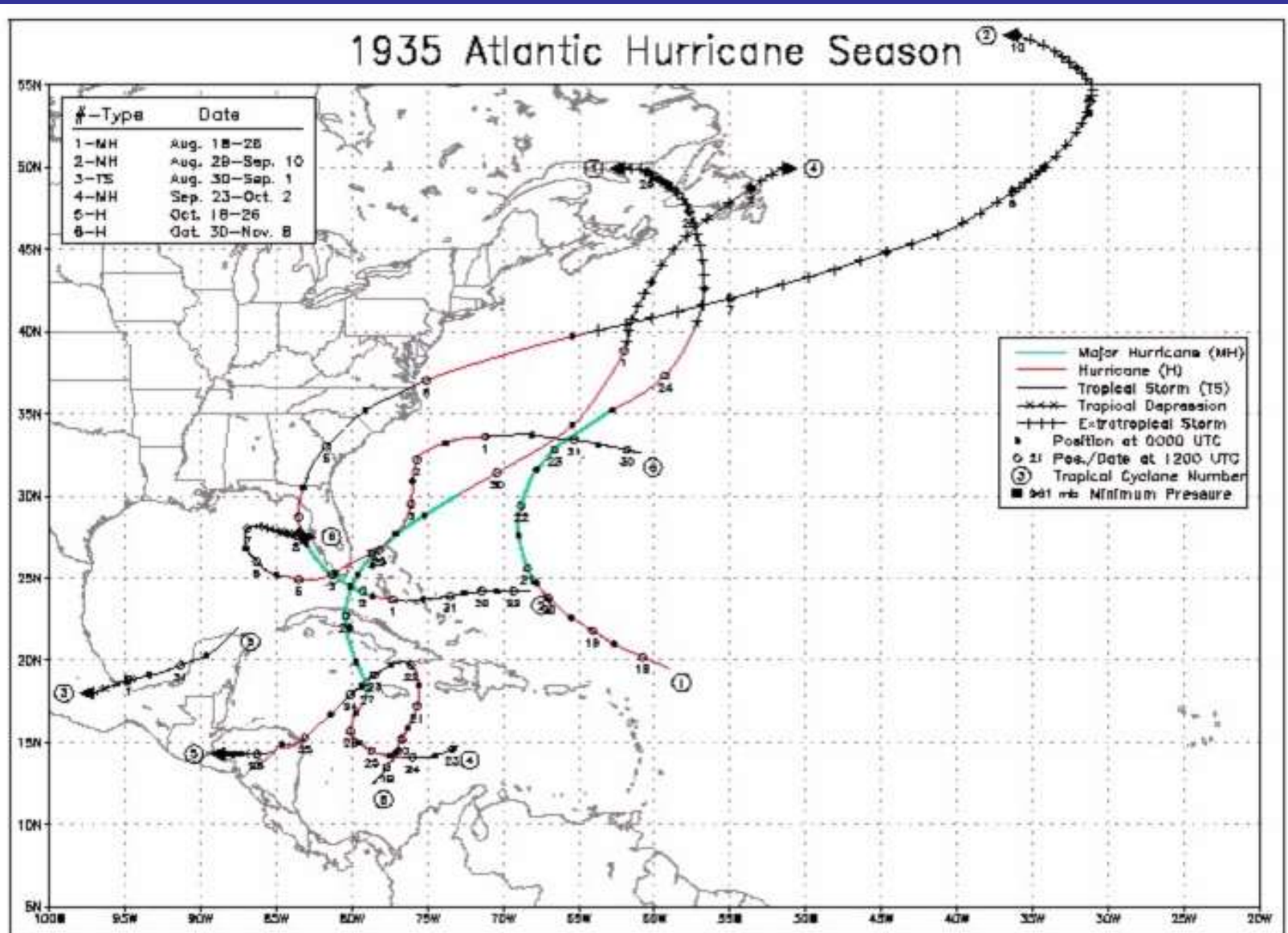
**Dan Gregoria**

Lead Forecaster

National Weather Service

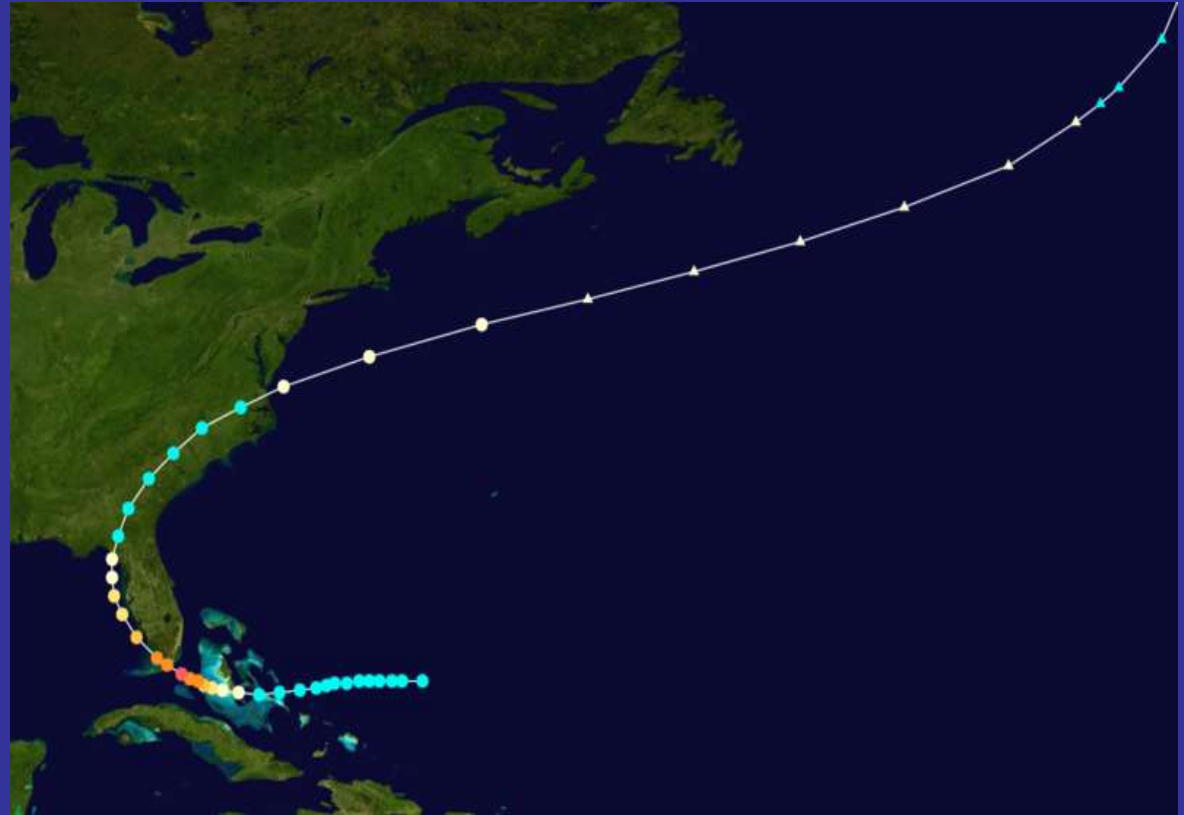
Miami, Florida

# 1935 Atlantic Hurricane Season Storm Tracks



# The Labor Day Hurricane of 1935

- Most intense hurricane to make landfall in the U.S. (892mb)
- Rapidly intensified from a TS on Aug. 29<sup>th</sup> to a Category 5 Hurricane, striking the Upper Keys on Sep. 2<sup>nd</sup>.



# The Labor Day Hurricane of 1935

- Very compact hurricane
- Path of near complete destruction
- Storm surge of 18-20 FT
- Florida Overseas Railroad destroyed
- Over 400 deaths
- \$6 Million in damages

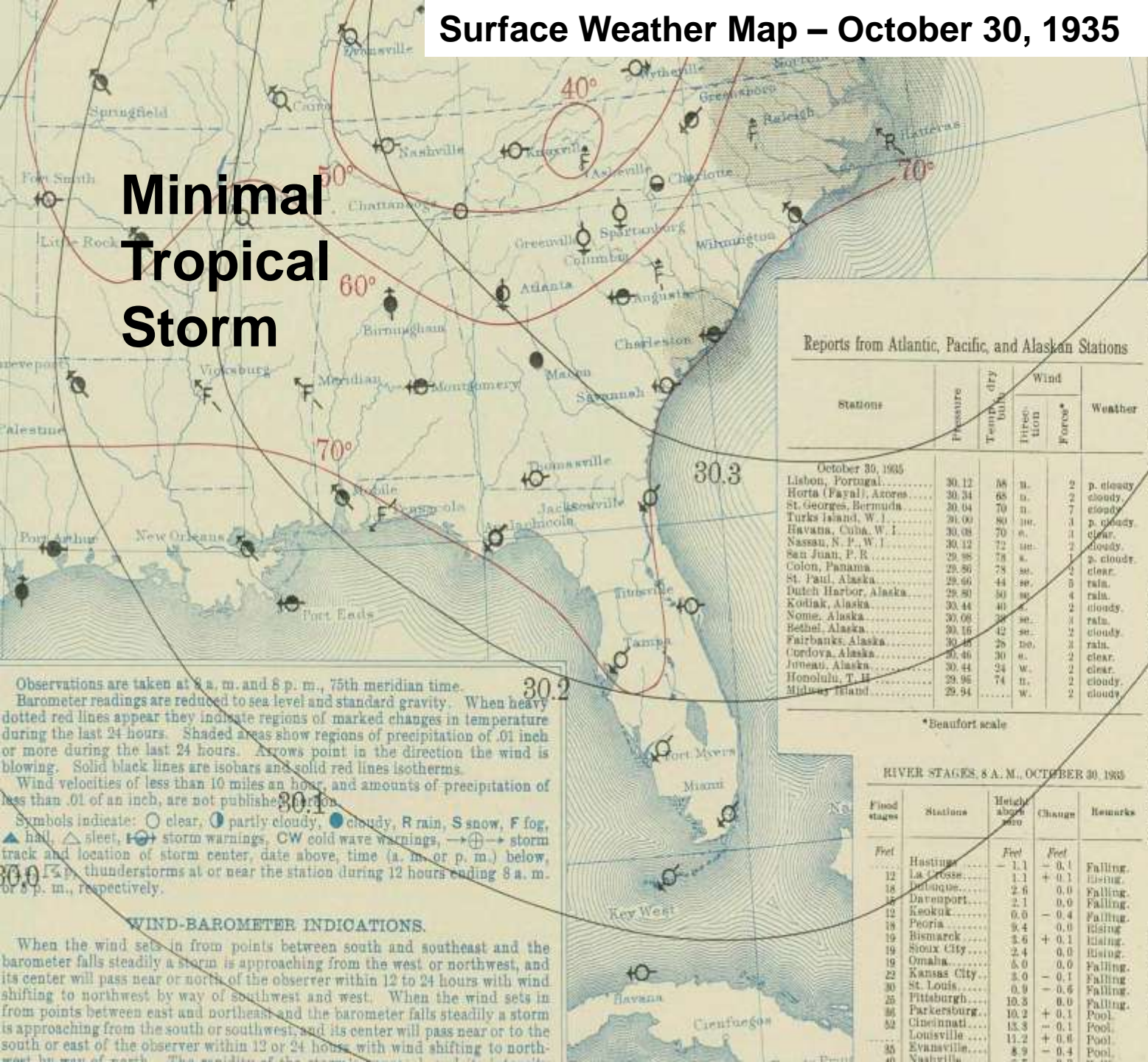
**2 Months Later...**

**Something else was  
brewing...**



# Surface Weather Map – October 30, 1935

## Minimal Tropical Storm



### Reports from Atlantic, Pacific, and Alaskan Stations

Stations	Pressure	Temp.	dry bulb	Wind		Weather
				Direction	Force*	
October 30, 1935						
Lisbon, Portugal	30.12	68	h.		2	p. cloudy
Horta (Fayal), Azores	30.34	68	h.		2	cloudy
St. Georges, Bermuda	30.04	70	h.		7	cloudy
Turks Island, W. I.	31.00	80	hw.		3	p. cloudy
Havana, Cuba, W. I.	30.08	70	e.		3	clear
Nassau, N. P. W. I.	30.12	72	sw.		2	cloudy
San Juan, P. R.	29.98	78	h.		1	p. cloudy
Colon, Panama	29.86	78	sw.		2	clear
St. Paul, Alaska	29.66	44	sw.		5	rain.
Dutch Harbor, Alaska	29.80	50	sw.		4	rain.
Kodiak, Alaska	30.44	40	h.		2	cloudy
Nome, Alaska	30.08	38	sw.		3	rain.
Bethel, Alaska	30.16	42	sw.		2	cloudy
Fairbanks, Alaska	30.18	28	sw.		3	rain.
Cordova, Alaska	30.46	30	e.		2	clear
Juneau, Alaska	30.44	24	w.		2	clear
Honolulu, T. H.	29.95	74	h.		2	cloudy
Midway Island	29.94		w.		2	cloudy

\*Beaufort scale

### RIVER STAGES, 8 A. M., OCTOBER 30, 1935

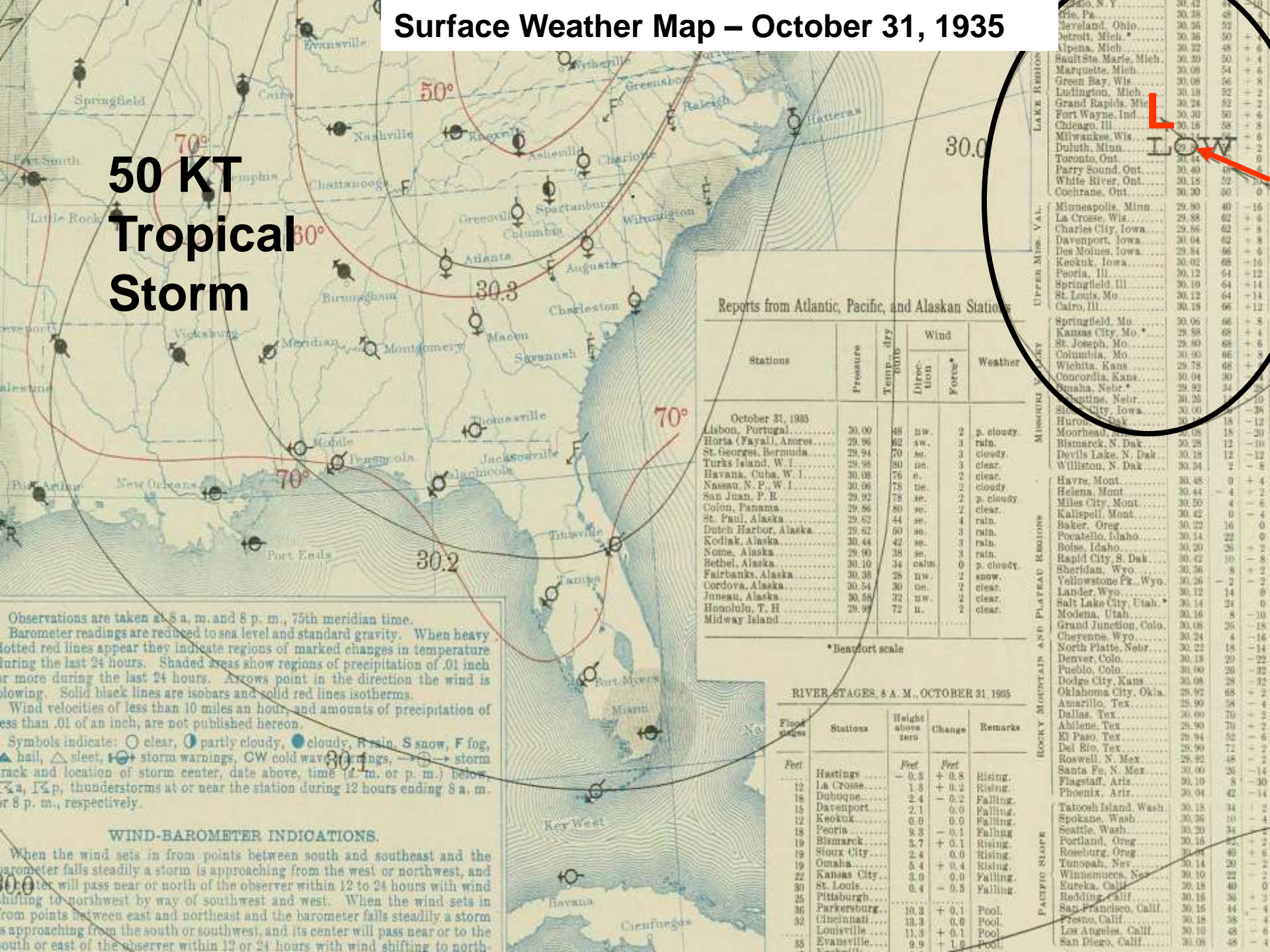
Find stages	Stations	Height above zero	Change	Remarks
Feet	Feet	Feet		
12	Hastings	-1.1	-0.1	Falling.
12	La Crosse	1.1	+0.1	Rising.
18	Delaware	2.6	0.0	Falling.
12	Davenport	2.1	0.0	Falling.
15	Keokuk	0.0	-0.4	Falling.
18	Peoria	9.4	0.0	Rising.
19	Bismarck	3.6	+0.1	Rising.
19	Sioux City	2.4	0.0	Rising.
19	Omaha	5.0	0.0	Falling.
22	Kansas City	3.0	-0.1	Falling.
30	St. Louis	0.9	-0.6	Falling.
25	Pittsburgh	10.3	0.0	Falling.
36	Parkersburg	10.2	+0.1	Pool.
52	Cincinnati	13.3	-0.1	Pool.
35	Louisville	11.2	+0.0	Pool.
45	Evansville	8.9	-0.4	Pool.
40	Nashville	...	...	...

Buffalo, N. Y.	30.36	54	-8
Irie, Pa.	30.36	52	-4
Cleveland, Ohio	30.36	52	-4
Detroit, Mich.	30.34	46	-6
Alpena, Mich.	30.30	42	-8
Sault Ste. Marie, Mich.	30.30	46	0
Marquette, Mich.	30.22	48	+4
Green Bay, Wis.	30.18	48	0
Ludington, Mich.	30.26	58	-2
Grand Rapids, Mich.	30.20	60	-4
Fort Wayne, Ind.	30.14	44	-8
Chicago, Ill.	30.24	50	-2
Milwaukee, Wis.	30.22	50	0
Deloit, Minn.	29.94	48	+8
Toronto, Ont.	30.38	50	+8
Perry Sound, Ont.	30.32	54	+2
White River, Ont.	30.32	42	+2
Cochrane, Ont.	30.34	50	+0
Minneapolis, Minn.	29.84	56	+12
La Crosse, Wis.	30.02	56	+18
Charles City, Iowa	29.95	54	+14
Davenport, Iowa	30.12	52	+8
Des Moines, Iowa	29.92	60	+20
Keokuk, Iowa	30.14	52	+8
Peoria, Ill.	30.20	52	+4
Springfield, Ill.	30.30	50	+2
St. Louis, Mo.	30.18	50	0
Cairo, Ill.	30.34	54	+6
Springfield, Mo.	30.12	58	+10
Kansas City, Mo.	29.92	64	+14
St. Joseph, Mo.	29.90	62	+14
Columbia, Mo.	30.08	58	+16
Wichita, Kans.	29.86	64	+12
Concordia, Kans.	29.76	64	+12
Omaha, Nebr.	29.80	62	+16
Valentine, Nebr.	29.96	24	-18
Sioux City, Iowa	29.70	64	+18
Huron, S. Dak.	29.84	30	-14
Headwaters, Minn.	29.72	38	-4
Bismarck, N. Dak.	29.96	22	-12
Devils Lake, S. Dak.	29.86	24	-14
Williston, N. Dak.	30.10	10	-14
Havre, Mont.	30.22	-4	-18
Helena, Mont.	30.32	-6	-14
Miles City, Mont.	30.28	10	-16
Kalispell, Mont.	30.28	4	-8
Baker, Oreg.	30.04	16	-10
Portafello, Idaho	29.88	22	-12
Boise, Idaho	29.96	24	-10
Capit City, S. Dak.	30.10	18	-14
Sheridan, Wyo.	30.22	6	-24
Yellowstone Pk., Wyo.	30.10	0	-20
Lander, Wyo.	29.96	14	-38
Salt Lake City, Utah	29.84	24	-36
Modena, Utah	29.72	18	-32
Grand Junction, Colo.	29.52	44	-10
Cheyenne, Wyo.	29.74	20	-16
North Platte, Nebr.	29.78	32	-12
Denver, Colo.	29.74	42	-8
Pueblo, Colo.	29.56	58	+4
Dodge City, Kans.	29.78	60	+4
Oklahoma City, Okla.	29.92	66	+12
Amarillo, Tex.	29.90	62	+6
Dallas, Tex.	30.00	68	+12
Arlington, Tex.	29.90	68	+4
El Paso, Tex.	29.82	58	+2
Del Rio, Tex.	29.92	70	+2
Roswell, N. Mex.	29.76	50	-4
Santa Fe, N. Mex.	29.70	40	-2
Flagstaff, Ariz.	29.58	38	-2
Phoenix, Ariz.	29.76	56	+4
Tatoosh Island, Wash.	30.22	32	-4
Spokane, Wash.	30.18	14	-10
Seattle, Wash.	30.18	32	-2
Portland, Oreg.	30.18	30	-8
Roseburg, Oreg.	30.12	34	-2
Tonopah, Nev.	29.84	22	-10
Winnemucca, Nev.	29.90	24	-4
Eureka, Calif.	30.16	40	-2
Redding, Calif.	30.02	34	-12
San Francisco, Calif.	30.08	48	-2
Fresno, Calif.	30.08	42	-4
Los Angeles, Calif.	29.94	54	-8
San Diego, Calif.	29.94	52	-8



# Surface Weather Map – October 31, 1935

## 50 KT Tropical Storm



### Reports from Atlantic, Pacific, and Alaskan Stations

Stations	Pressure	Temp. dry bulb	Wind		Weather
			Dirrec- tion	Force*	
October 31, 1935					
Lisbon, Portugal.....	30.00	48	nw.	2	p. cloudy
Horta (Fayal), Azores	29.98	62	sw.	1	rain.
St. Georges, Bermuda.	29.94	70	se.	3	cloudy.
Turks Island, W. I.	29.95	80	se.	3	clear.
Havana, Cuba, W. I.	30.08	75	e.	2	clear.
Nassau, N. P. W. I.	30.06	75	se.	2	cloudy
San Juan, P. R.	29.92	78	se.	2	p. cloudy
Colon, Panama.	29.96	80	se.	2	clear.
St. Paul, Alaska.	29.62	44	se.	4	rain.
Dutch Harbor, Alaska.	29.62	50	se.	3	rain.
Kodiak, Alaska.	30.44	42	se.	3	rain.
Nome, Alaska.	29.90	38	se.	3	rain.
Bethel, Alaska.	30.19	34	calm.	0	p. cloudy
Fairbanks, Alaska.	30.38	28	nw.	2	snow.
Cordova, Alaska.	30.54	30	se.	2	clear.
Juneau, Alaska.	30.59	32	nw.	2	clear.
Honolulu, T. H.	29.99	72	n.	2	clear.
Midway Island.....					

\* Beaufort scale.

### RIVER STAGES, 8 A. M., OCTOBER 31, 1935

River	Stations	Height above zero		Change	Remarks
		Feet	Feet		
ROCKY MOUNTAIN AND PLATEAU REGIONS	Hastings	-0.5	+0.5	Rising.	
	La Crosse	1.8	+0.2	Rising.	
	Dubuque	2.4	-0.2	Falling.	
	Davenport	2.1	0.0	Falling.	
	Keokuk	0.0	0.0	Falling.	
	Peoria	9.3	-0.1	Falling.	
	Blomberg	3.7	+0.1	Rising.	
	Sioux City	2.4	0.0	Rising.	
	Omaha	5.4	+0.4	Rising.	
	Kansas City	3.0	0.0	Falling.	
	St. Louis	0.4	-0.5	Falling.	
	Pittsburgh				
PACIFIC SLOPE	Parkersburg	10.3	+0.1	Pool.	
	Cincinnati	13.3	0.0	Pool.	
	Louisville	11.3	+0.1	Pool.	
	Evansville	9.9	+1.0	Pool.	
	Spokane, Wash.	30.18	34	2	
	Seattle, Wash.	30.20	34	2	
	Portland, Ore.	30.18	32	2	
	Roseburg, Ore.	30.14	40	0	
	Tonopah, Nev.	30.14	30	0	
	Winnemucca, Nev.	30.10	22	0	
	Eureka, Calif.	30.18	40	0	
	Redding, Calif.	30.16	36	0	
PACIFIC SLOPE	San Francisco, Calif.	30.15	44	0	
	Fresno, Calif.	30.18	38	0	
	Los Angeles, Calif.	30.10	48	0	
	San Diego, Calif.	30.08	48	0	

Observations are taken at 8 a. m. and 8 p. m., 75th meridian time. Barometer readings are reduced to sea level and standard gravity. When heavy dotted red lines appear they indicate regions of marked changes in temperature during the last 24 hours. Shaded areas show regions of precipitation of .01 inch or more during the last 24 hours. Arrows point in the direction the wind is blowing. Solid black lines are isobars and solid red lines isotherms. Wind velocities of less than 10 miles an hour, and amounts of precipitation of less than .01 of an inch, are not published hereon.

Symbols indicate: ○ clear, ◐ partly cloudy, ● cloudy, R rain, S snow, F fog, ▲ hail, △ sleet, ⚡ storm warnings, CW cold wave warnings, - - - storm track and location of storm center, date above, time (a. m. or p. m.) below, ⚡ a, ⚡ p, thunderstorms at or near the station during 12 hours ending 8 a. m. or 8 p. m., respectively.

### WIND-BAROMETER INDICATIONS.

When the wind sets in from points between south and southeast and the barometer falls steadily a storm is approaching from the west or northwest, and the wind will pass near or north of the observer within 12 to 24 hours with wind shifting to northwest by way of southwest and west. When the wind sets in from points between east and northeast and the barometer falls steadily a storm is approaching from the south or southwest, and its center will pass near or to the south or east of the observer within 12 or 24 hours with wind shifting to north-



# Surface Weather Map - November 1, 1935

Became a Hurricane at 12z with 65 KT winds  
Observed peripheral pressure of 990 mb

taken at 8 a. m. and 8 p. m., 75th meridian time.  
ings are reduced to sea level and standard gravity. When heavy  
appear they indicate regions of marked changes in temperature  
hours. Shaded areas show regions of precipitation of .01 inch  
the last 24 hours. Arrows point in the direction the wind is  
black lines are isobars and solid red lines isotherms.  
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inch, are not published hereon.

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## WIND-BAROMETER INDICATIONS.

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e observer within 12 or 24 hours with wind shifting to north-

## Reports from Atlantic, Pacific, and Alaskan Stations

Stations	Pressure	Temp., dry bulb	Wind		Weather
			Direction	Force*	
November 1, 1935					
Lisbon, Portugal	30.00	56	sw.	2	cloudy.
Horta (Fayal), Azores	29.98	60	nw	2	p. cloudy
St. Georges, Bermuda	30.02	60	sw.	4	p. cloudy
Turkey Island, W. I.	29.96	80	ne.	2	clear.
Havana, Cuba, W. I.	30.06	70	ne.	2	clear.
Nassau, N. P., W. I.	30.02	78	ne.	2	clear.
San Juan, P. R.	29.92	72	s.	2	cloudy.
Colon, Panama	29.88	80	s.	2	clear.
St. Paul, Alaska	29.68	44	sw.	4	cloudy.
Dutch Harbor, Alaska	29.84	48	sw.	4	cloudy.
Kodiak, Alaska	30.44	40	s.	3	cloudy.
Nome, Alaska	29.84	38	sw.	3	rain.
Bethel, Alaska	29.98	44	ne.	3	cloudy.
Fairbanks, Alaska	30.22	26	s.	2	cloudy.
Cordova, Alaska	30.60	26	nw.	2	cloudy.
Juneau, Alaska	30.60	26	w.	2	clear.
Honolulu, T. H.	29.88	82	ne.	3	clear.
Midway Island					

\* Beaufort scale

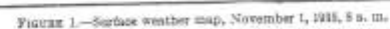
## RIVER STAGES, 8 A. M., NOVEMBER 1, 1935

Flood stages	Stations	Height above base	Change	Remarks
Feet		Feet	Feet	
12	Hastings	-0.8	-0.5	Falling.
12	La Crosse	1.8	+0.5	Rising.
18	Dubuque	2.4	+0.0	Rising.
15	Davenport	2.4	+0.3	Rising.
12	Peoria	0.4	+0.4	Rising.
18	Bismarck	9.6	+0.3	Rising.
19	Sioux City	3.4	-0.3	Falling.
19	Sioux City	2.4	0.0	Rising.
19	Omaha	5.4	0.0	Falling.
19	Kansas City	3.4	+0.4	Rising.
30	St. Louis	0.4	0.0	Rising.
25	Pittsburgh	10.8	+0.4	Rising.
36	Parkersburg	10.8	0.0	Pool.
82	Cincinnati	13.7	+0.4	Pool.
	Louisville	11.2	-0.1	Pool.
85	Evansville	9.5	-0.4	Pool.

Buffalo, N. Y.	30.22	52
N. Y.	30.20	54
erie, Pa.	30.18	54
Buffalo, Ohio	30.14	60
Alpena, Mich.	30.00	42
Sault Ste. Marie, Mich.	30.24	38
Marquette, Mich.	30.30	32
Green Bay, Wis.	30.38	30
Detroit, Mich.	30.32	58
Grand Rapids, Mich.	30.30	40
Fort Wayne, Ind.	30.22	50
Chicago, Ill.	30.24	36
St. Paul, Minn.	30.26	32
Madison, Wis.	30.42	14
St. Louis, Mo.	30.22	48
Parry, Ont.	30.14	52
White River	30.14	52
Cochran, Ont.	30.26	50
Minneapolis, Minn.	30.48	28
La Crosse, Wis.	30.48	28
Charles City, Iowa	30.52	29
Davenport, Iowa	30.46	28
Des Moines, Iowa	30.50	26
Keokuk, Iowa	30.50	28
Peoria, Ill.	30.42	30
Springfield, Ill.	30.38	34
St. Louis, Mo.	30.36	38
Cairo, Ill.	30.26	50
Springfield, Mo.	30.34	36
Lincoln City, Mo.	30.48	28
St. Joseph, Mo.	30.50	24
Columbia, Mo.	30.44	22
Wichita, Kans.	30.40	26
Concordia, Kans.	30.50	22
Omaha, Neb.	30.54	20
Valentine, Neb.	30.46	12
Sioux City, Iowa	30.54	18
Huron, S. Dak.	30.56	4
Sioux Falls, S. Dak.	30.50	4
Bismarck, N. Dak.	30.48	4
Davils Lake, N. Dak.	30.42	4
Williston, N. Dak.	30.44	0
Havre, Mont.	30.68	-12
Helena, Mont.	30.42	-12
Miles City, Mont.	30.50	6
Kalispell, Mont.	30.42	-2
Baker, Oreg.	30.36	16
Coatello, Idaho	30.06	12
Boise, Idaho	30.16	98
Rapid City, S. Dak.	30.42	4
Sheridan, Wyo.	30.36	6
Yellowstone Pk., Wyo.	30.26	2
Lander, Wyo.	30.04	24
Salt Lake City, Utah	30.06	34
Modena, Utah	30.06	20
Grand Junction, Colo.	30.10	26
Cheyenne, Wyo.	30.28	18
North Platte, Neb.	30.44	10
Denver, Colo.	30.22	24
Pueblo, Colo.	30.26	24
Dodge City, Kans.	30.44	22
Oklahoma City, Okla.	30.32	36
Amarrillo, Tex.	30.28	42
Dallas, Tex.	30.48	52
Abilene, Tex.	30.20	46
El Paso, Tex.	30.04	44
Del Rio, Tex.	30.02	70
Roswell, N. Mex.	30.14	36
Santa Fe, N. Mex.	30.14	34
Flagstaff, Ariz.	30.00	24
Phoenix, Ariz.	30.02	44
Tatoosh Island, Wash.	30.36	34
Spokane, Wash.	30.38	10
Seattle, Wash.	30.36	28
Portland, Oreg.	30.28	30
Roseburg, Oreg.	30.14	32
Tonopah, Nev.	29.98	36
Winnemucca, Nev.	30.06	28
Eureka, Calif.	30.02	48
Redding, Calif.	30.06	44
San Francisco, Calif.	30.08	48
Fresno, Calif.	30.10	40
Los Angeles, Calif.	30.02	52
San Diego, Calif.	30.02	50



**Modified Polar Atlantic air  
is flowing around  
Hurricane from N and NE.**



# November 1, 1935 Weather Map - 3000 meter level (Monthly Weather Review)

Ridge extends from the Ohio Valley south to the Lower Mississippi Valley.

Northerly flow across the Eastern Conus, except the Mid-Atlantic.

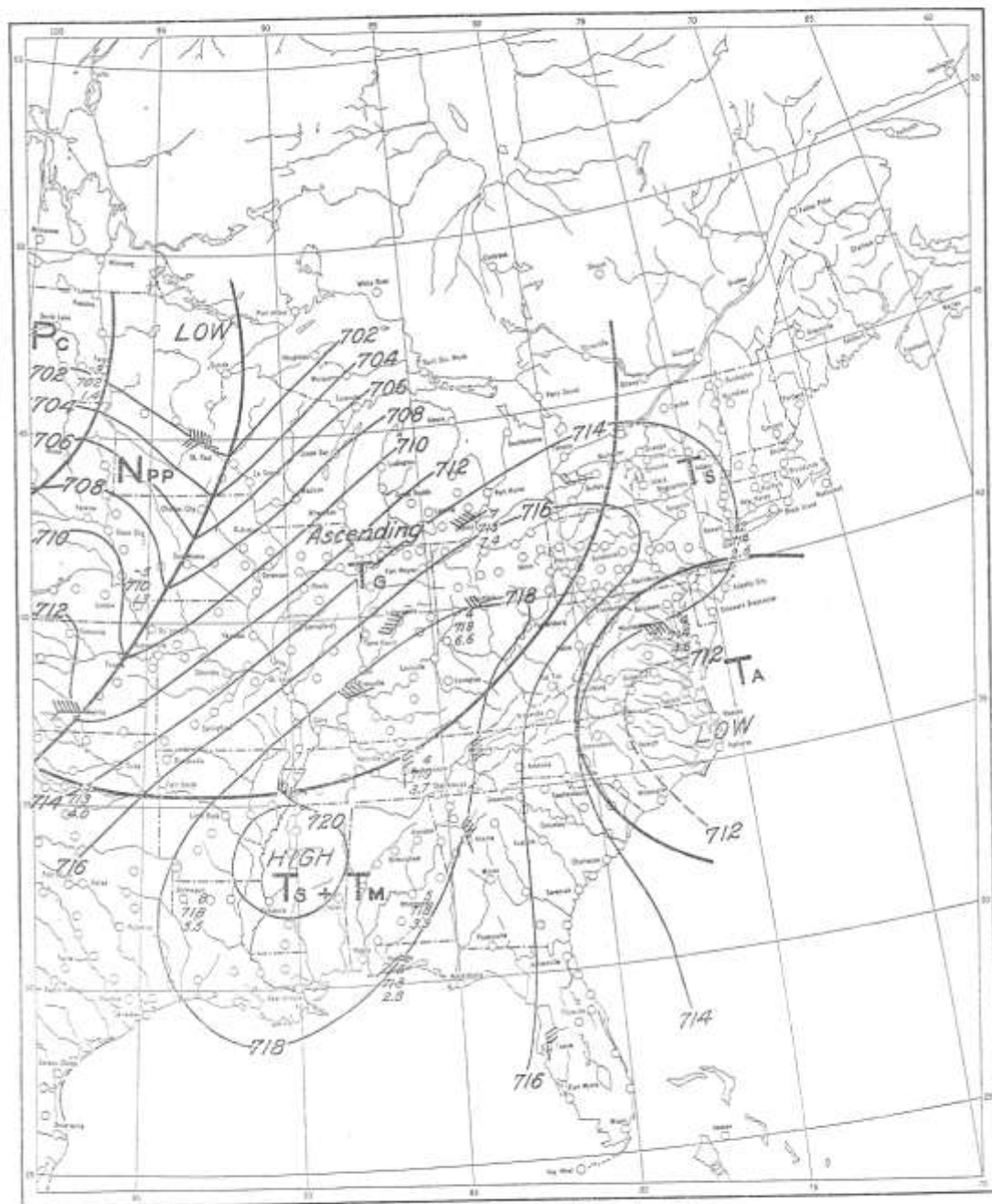


FIGURE 2.—Weather map, 3000-meter level, November 1, 1935.



# Surface Weather Map - November 2, 1935

Pressure 980mb  
observed.

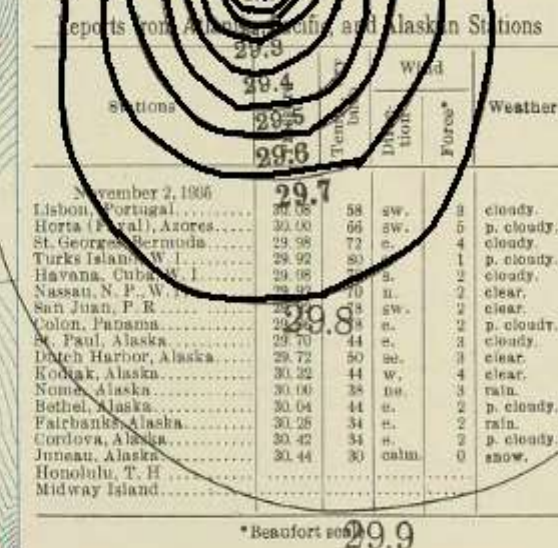
75 KT Hurricane  
South Motion  
began in the  
afternoon

are taken at 8 a. m. and 8 p. m., 75th meridian time.  
Readings are reduced to sea level and standard gravity. When heavy  
clouds appear they indicate regions of marked changes in temperature  
within 24 hours. Shaded areas show regions of precipitation of .01 inch  
or more in the last 24 hours. Arrows point in the direction the wind is  
blowing. Black lines are isobars and solid red lines isotherms.

Clouds: ○ clear, ⊙ partly cloudy, ● cloudy, R rain, S snow, F fog,  
+ storm warnings, CW cold wave warnings, → ⊕ → storm  
motion of storm center, date above, time (a. m. or p. m.) below.  
Thunderstorms at or near the station during 12 hours ending 8 a. m.  
are indicated by a lightning bolt.

## WIND-BAROMETER INDICATIONS.

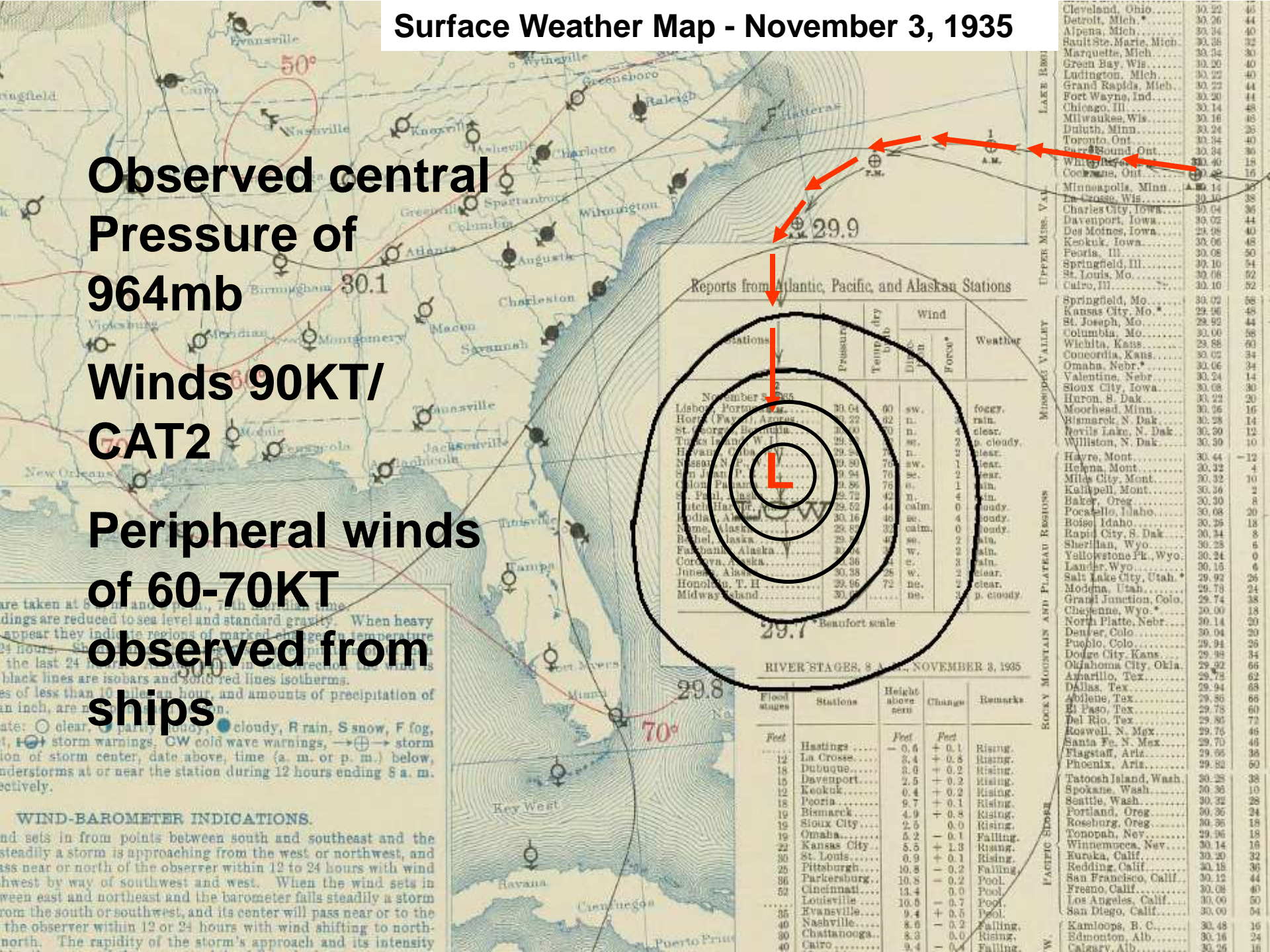
Wind sets in from points between south and southeast and the  
storm steadily approaching from the west or northwest, and  
less near or north of the observer within 12 to 24 hours with wind  
blowing west by way of southwest and west. When the wind sets in  
from the east and northeast and the barometer falls steadily a storm  
approaching from the south or southwest, and its center will pass near or to the  
observer within 12 or 24 hours with wind shifting to north-  
west. The rapidity of the storm's approach and its intensity





# Surface Weather Map - November 3, 1935

**Observed central  
Pressure of  
964mb  
Winds 90KT/  
CAT2  
Peripheral winds  
of 60-70KT  
observed from  
ships**





# Hurricane Impact in the Bahamas

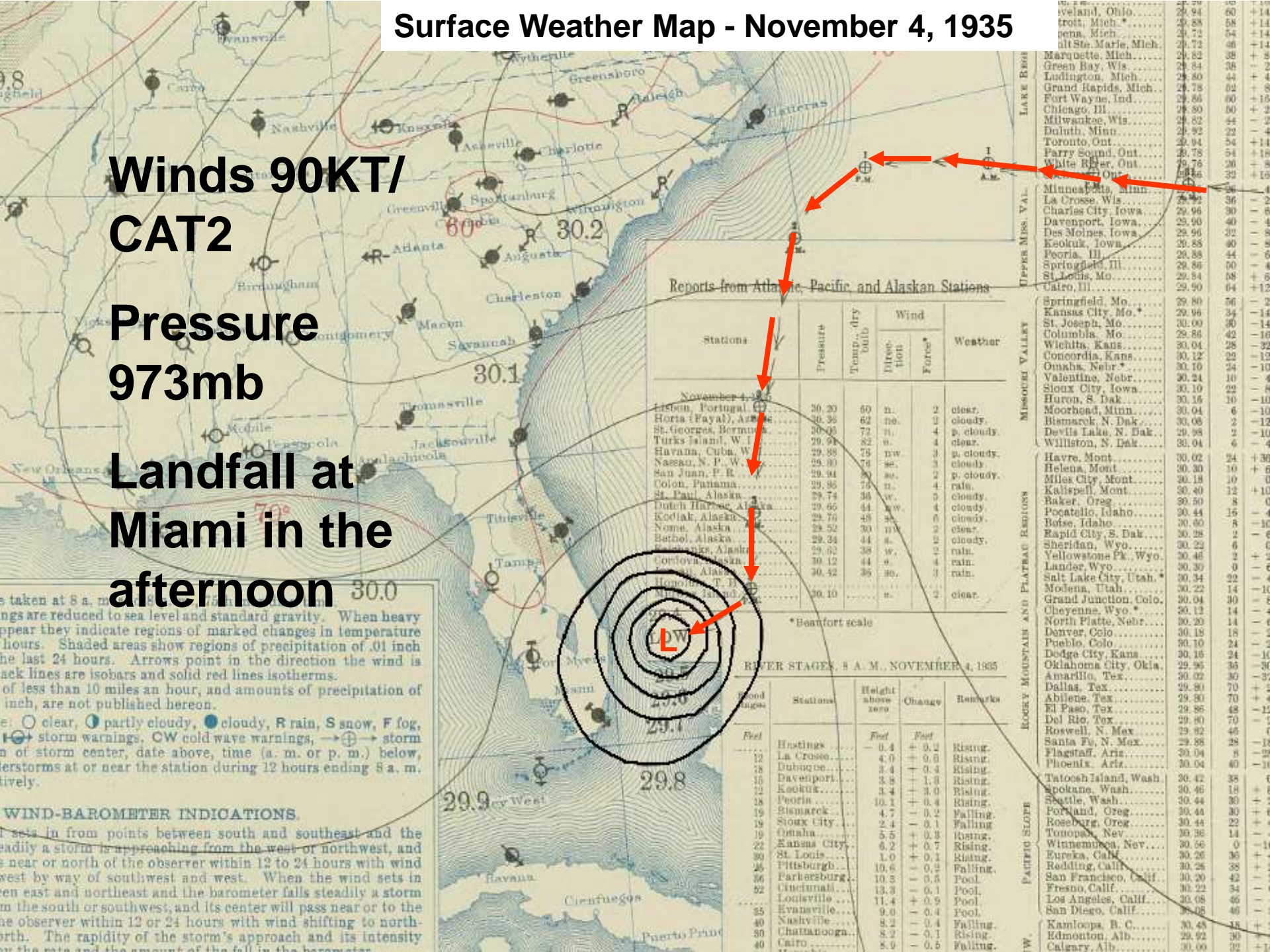
- At 7 PM on Nov. 3<sup>rd</sup> center was a short distance north of Hopetown, Great Abaco Island. Storm motion was about 6 mph, half that of the previous day.
- Hurricane force winds were observed over Abaco Island for up to 3 hours.
- 14 lives lost

# Surface Weather Map - November 4, 1935

**Winds 90KT/  
CAT2**

**Pressure  
973mb**

**Landfall at  
Miami in the  
afternoon**





# Hurricane Landfall Observations

- From the Weather Bureau at Miami:
  - Winds of Gale Force extended up to Palm Beach.
  - 1 PM: Coast guard at Ft. Lauderdale reported hurricane force winds with a min pressure of 28.86 inches.
  - 1:45 PM: Fowey Rock Lighthouse reported hurricane force winds with a min pressure of 29.10 inches.
  - 1:45 PM: Lowest barometer reading at Miami, 28.73 inches.
  - 2:07 PM: Max sustained wind at Miami of 75 mph
  - 2:17 PM: Max wind gust at Miami of 94 mph.  
Exceptionally strong gusts and considerable pumping of the barometer were noted.

# Hurricane Landfall Observations (cont.)

- The Eye: Moved directly over Miami. Eye width was estimated at 15 miles. Duration of the lull in winds: 1hr 5 min at both the downtown office & Miami airport, 1 hr at Sunny Isles, and 15 min at Hallandale Beach.
- Observations show that the eye was not completely clear, though some persons reported seeing the sun for a short time.
- Storm surge: Miami reported tide of 5 FT, 2.2 above normal at 2 PM. No reports to the north.



# Hurricane Landfall Observations (cont.)

- Extratropical characteristics:
- A dry hurricane: Only 0.24" of rain recorded at Miami before the eye; 3.80" after the eye.
- Winds stronger and continued longer on the East side of the storm. Wind obs show wind field not wholly circular.
- No cirrus clouds were seen ahead of the storm. Miami reported that the first clouds appeared as a solid alto-stratus cloud sheet moving rapidly in from NE only 9 hours before landfall.

# Hurricane Impacts

- Total property loss Miami and vicinity estimated to be \$5.5 Million
- 5 Deaths, 115 injuries across South FL



# Surface Weather Map - November 5, 1935

**65KT Hurricane  
12Z**

**Weakened to a  
Tropical Storm  
by 18z**

... taken at 8 a. m. and 8 p. m., 75th meridian time.  
... are reduced to sea level and standard gravity. When heavy  
... appear they indicate regions of marked changes in temperature  
... hours. Shaded areas show regions of precipitation of .01 inch  
... the last 24 hours. Arrows point in the direction the wind is  
... black lines are isobars and solid red lines isotherms.  
... of less than 10 miles an hour, and amounts of precipitation of  
... inch, are not published herein.  
... : ○ clear, ⊙ partly cloudy, ● cloudy, R rain, S snow, fog  
... storm warnings, CW cold wave warnings, → ⊕ storm  
... of storm center, date above, time (a. m. or p. m.) below.  
... derstorms at or near the station during 12 hours ending a. m.  
... tively.

## WIND-BAROMETER INDICATIONS.

... d sets in from points between south and southeast and the  
... readily a storm is approaching from the west or northwest,  
... is near or north of the observer within 12 to 24 hours with wind  
... west by way of southwest and west. When the wind sets in  
... ven east and northeast and the barometer falls steadily a storm  
... m the south or southwest, and its center will pass near or to the  
... the observer within 12 or 24 hours with wind shifting to north  
... orth. The rapidity of the storm's approach and its intensity  
... by the rate and the amount of the fall in the barometer.

## Reports from Atlantic, Pacific, and Alaskan Stations

Stations	Pressure	Temp., dry bulb	Wind Direction	Force*	Weather
November 5, 1935					
Lisbon, Portugal, P.M.	30.28	82	n.	2	clear.
Horta (Faial), Azores	30.26	66	sw.	3	p. cloudy.
St. Georges, Bermuda	30.14	68	n.	4	p. cloudy.
Turks Island, W.	29.98	80	no.	4	cloudy.
Havana, Cuba, W.	29.90	74	sw.	4	p. cloudy.
Nassau, N. P., W.	29.94	80	se.	4	p. cloudy.
San Juan, P. R.	29.82	78	nw.	4	rain.
Colon, Panama.	30.16	34	n.	2	cloudy.
St. Paul, Alaska.	30.12	44	sw.	3	cloudy.
Dutch Harbor, Alaska.	30.12	38	nw.	2	clear.
Kodiak, Alaska.	29.96	20	nw.	3	clear.
Bethel, Alaska.	30.12	30	nw.	2	p. cloudy.
Fairbanks, Alaska.	29.80	36	s.	3	cloudy.
Cardova, Alaska.	30.00	44	de.	3	rain.
Juneau, Alaska.	30.24	44	se.	3	rain.
Honolulu, T. H.	29.85	70	n.	3	p. cloudy.
Midway Island.	30.04	se.	2	clear.	

\* Beaufort scale

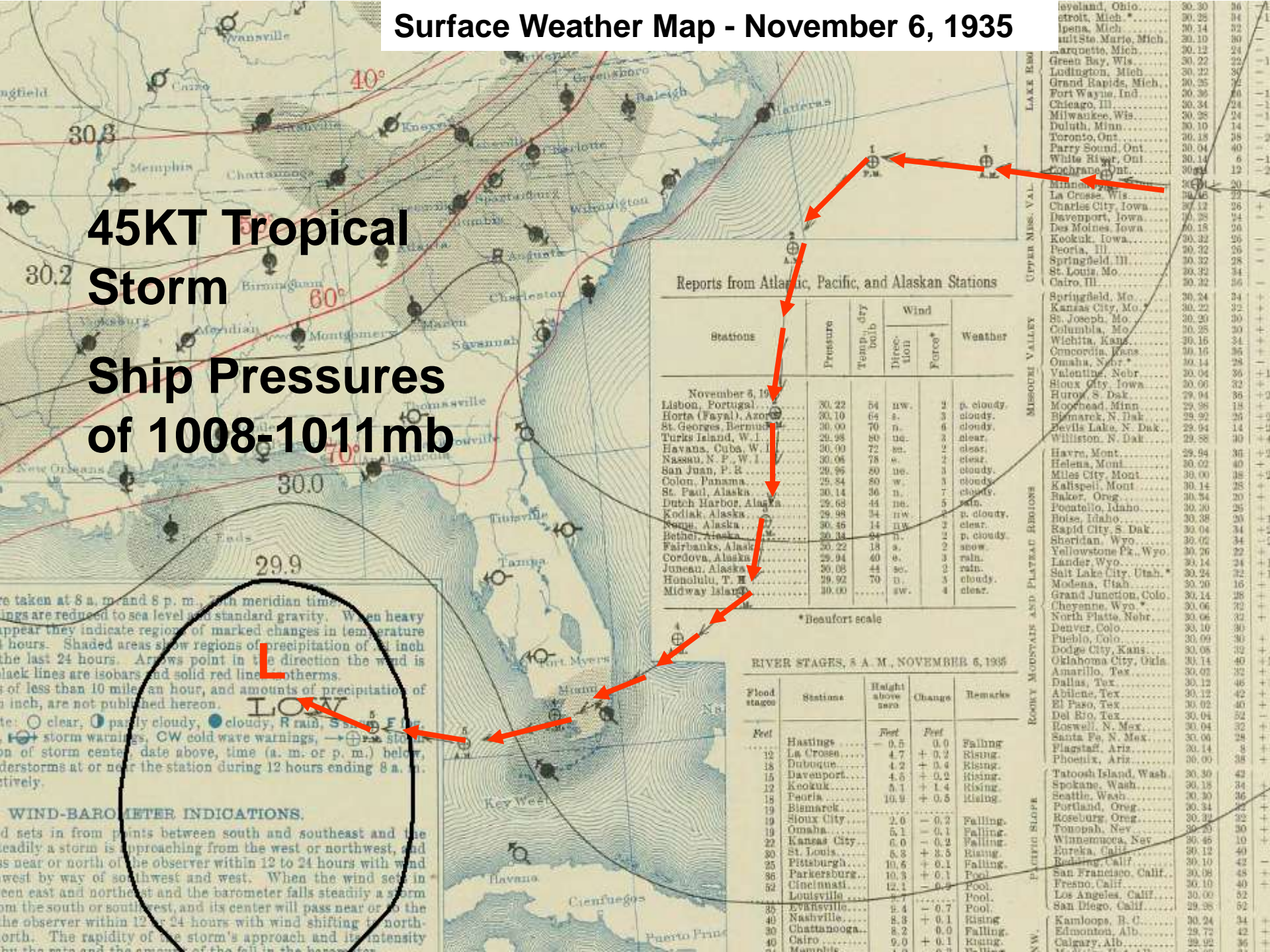
## RIVER STAGES, 8 A. M., NOVEMBER 5, 1935

Flood stages	Stations	Height above zero	Change	Remarks
Feet		Feet	Feet	
12	Hastings	-0.5	-0.1	Falling.
12	La Crosse	4.5	+0.5	Rising.
18	Dubuque	3.8	+0.4	Rising.
10	Davenport	4.3	+0.5	Rising.
12	Keokuk	3.7	+0.3	Rising.
18	Peoria	10.4	+0.3	Rising.
19	Bismarck	4.4		Frozen.
19	Sioux City	2.2	-0.2	Falling.
19	Omaha			
22	Kansas City	6.2	0.0	Rising.
30	St. Louis	1.8	+0.8	Rising.
28	Pittsburgh	10.5	-0.1	Falling.
30	Parkersburg	10.2	-0.1	Pool.
52	Cincinnati	13.0	-0.3	Pool.
	Louisville			
35	Evansville	10.1	+1.1	Pool.
40	Nashville	8.2	0.0	Falling.
40	Chattanooga	8.2	0.0	Falling.
80	Cairo	8.9	0.9	Rising.
	Memphis			
	Kamloops, B. C.	30.34	26	+8
	Edmonton, Alb.	29.76	32	+2
	Calgary, Alb.	29.92	34	+2



# Surface Weather Map - November 6, 1935

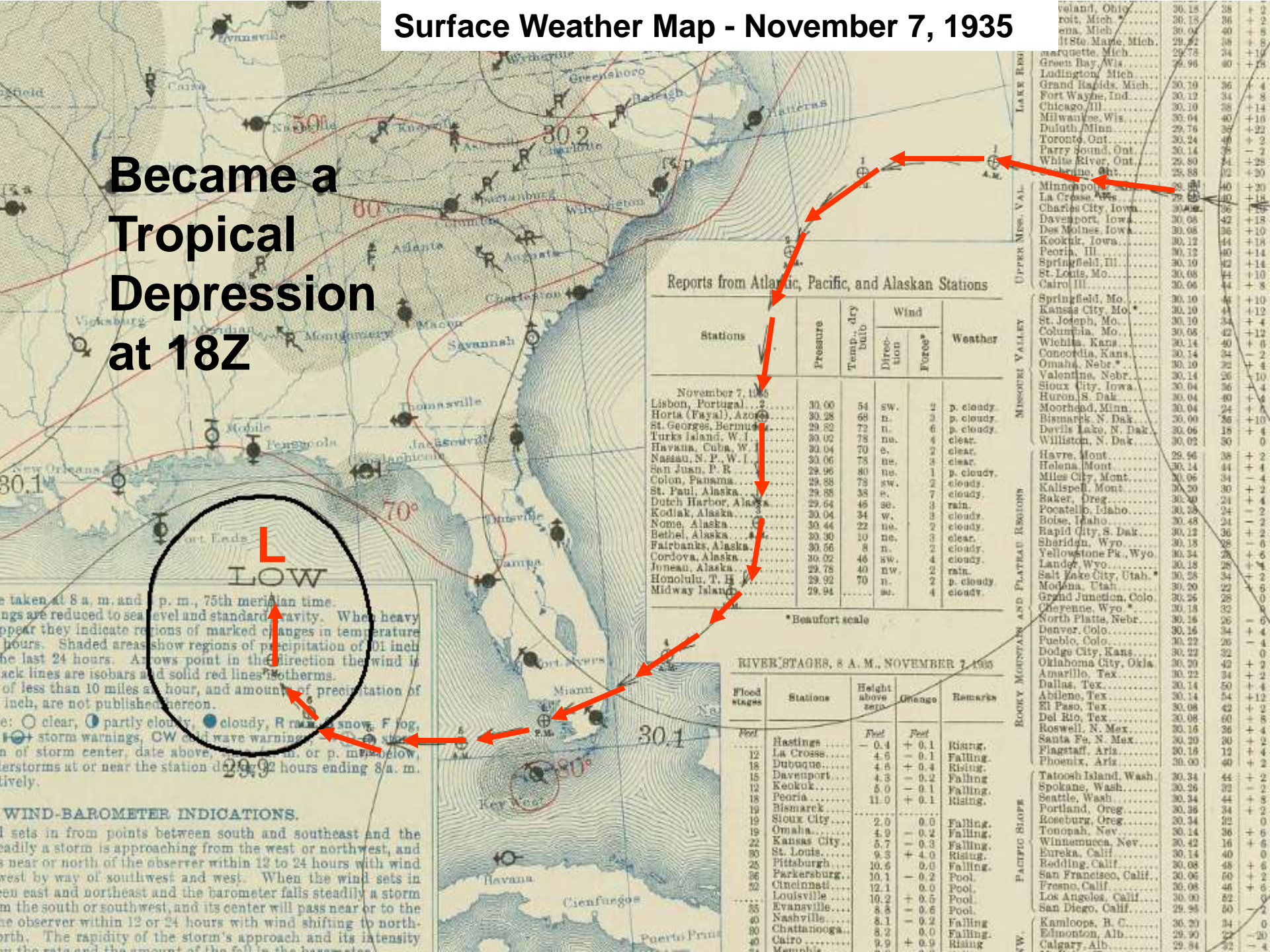
**45KT Tropical Storm**  
**Ship Pressures of 1008-1011mb**





# Surface Weather Map - November 7, 1935

Became a  
Tropical  
Depression  
at 18Z



## Reports from Atlantic, Pacific, and Alaskan Stations

Stations	Pressure	Temp., dry bulb	Wind		Weather
			Direction	Force*	
November 7, 1935					
Lisbon, Portugal.....	30.00	54	sw.	2	p. cloudy
Horta (Fayal), Azores.....	30.28	68	n.	3	p. cloudy
St. Georges, Bermuda.....	29.82	72	n.	6	p. cloudy
Turks Island, W. I.....	30.02	73	ne.	4	clear
Havana, Cuba, W. I.....	30.04	70	e.	2	clear
Nassau, N. P., W. I.....	30.06	73	ne.	3	clear
San Juan, P. R.....	29.96	80	ne.	1	p. cloudy
Colon, Panama.....	29.88	78	sw.	2	cloudy
St. Paul, Alaska.....	29.88	33	e.	7	cloudy
Dutch Harbor, Alaska.....	29.64	45	se.	3	rain.
Kodiak, Alaska.....	30.04	34	w.	3	cloudy
Nome, Alaska.....	30.44	22	ne.	2	cloudy
Bethel, Alaska.....	30.30	10	ne.	3	clear
Fairbanks, Alaska.....	30.66	8	n.	2	cloudy
Corova, Alaska.....	30.02	46	sw.	4	cloudy
Juneau, Alaska.....	29.78	40	nw.	2	rain.
Honolulu, T. H.....	29.92	70	n.	2	p. cloudy
Midway Island.....	29.94		sw.	4	cloudy

\*Beaufort scale

## RIVER STAGES, 8 A. M., NOVEMBER 7, 1935

Flood stages	Stations	Height above zero	Change	Remarks
Feet		Feet	Feet	
12	Hastings.....	-0.4	+0.1	Rising.
12	La Crosse.....	4.6	-0.1	Falling.
15	Dubuque.....	4.6	+0.4	Rising.
18	Davenport.....	4.3	-0.2	Falling.
12	Keokuk.....	5.0	-0.1	Falling.
18	Peoria.....	11.0	+0.1	Rising.
19	Bismarck.....			
19	Sioux City.....	2.0	-0.0	Falling.
19	Omaha.....	4.9	-0.2	Falling.
22	Kansas City.....	5.7	-0.3	Falling.
23	St. Louis.....	9.3	+4.0	Rising.
25	Pittsburgh.....	10.6	-0.0	Falling.
26	Parkersburg.....	10.1	-0.2	Falling.
32	Cincinnati.....	12.1	0.0	Pool.
	Louisville.....	10.2	+0.5	Pool.
35	Evansville.....	8.8	-0.6	Pool.
40	Nashville.....	8.1	-0.2	Falling.
40	Chattanooga.....	8.2	0.0	Falling.
40	Cairo.....	9.9	+0.9	Rising.
	Memphis.....			
	Kamloops, B. C.....	30.20	34	0
	Edmonton, Alb.....	29.90	27	0
	Calgary, Alb.....	29.84	32	0

...taken at 8 a. m. and 2 p. m., 75th meridian time.  
...are reduced to sea level and standard gravity. When heavy  
...appear they indicate regions of marked changes in temperature  
...hours. Shaded areas show regions of precipitation of .01 inch  
...the last 24 hours. Arrows point in the direction the wind is  
...black lines are isobars and solid red lines isotherms.  
...of less than 10 miles an hour, and amount of precipitation of  
...inch, are not published hereon.  
...: O clear, P partly cloudy, C cloudy, R rain, S snow, F fog,  
...+ storm warnings, CW and wave warnings.  
...of storm center, date above, time (a. m. or p. m.) below.  
...erstorms at or near the station date and time.  
...tively.

## WIND-BAROMETER INDICATIONS.

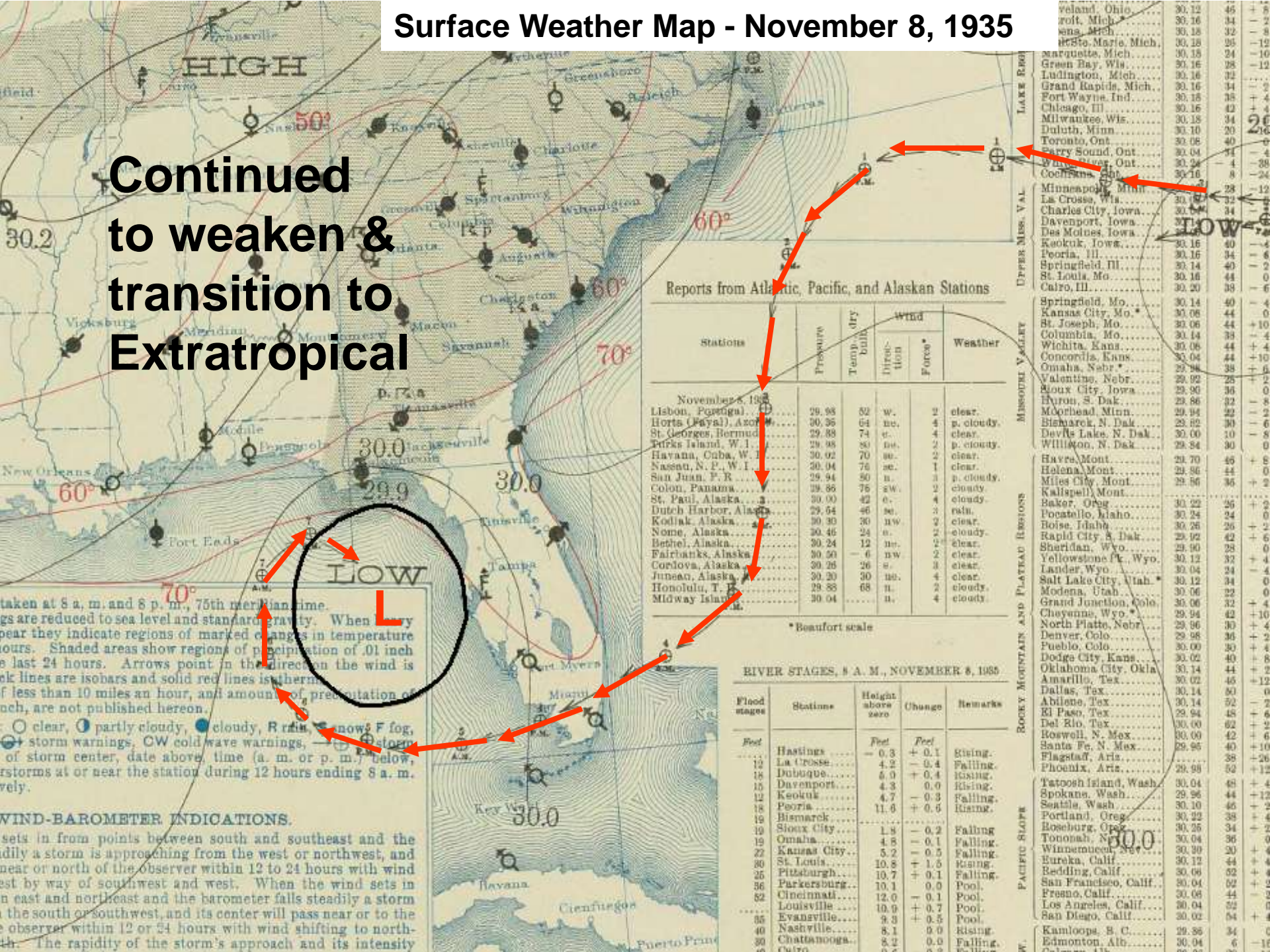
...d sets in from points between south and southeast and the  
...readily a storm is approaching from the west or northwest, and  
...near or north of the observer within 12 to 24 hours with wind  
...west by way of southwest and west. When the wind sets in  
...east and northeast and the barometer falls steadily a storm  
...m the south or southwest, and its center will pass near or to the  
...ne observer within 12 or 24 hours with wind shifting to north-  
...rth. The rapidity of the storm's approach and its intensity  
...in the rate and the amount of the fall is the barometer

...vland, Ohio.....	30.13	38	0
...reit, Mich.....	30.13	38	0
...ena, Mich.....	30.04	40	+6
...St. Marie, Mich.....	29.22	38	+8
...marquette, Mich.....	29.72	34	+10
...Green Bay, Wis.....	29.96	40	+18
...Ludington, Mich.....	30.19	36	+4
...Grand Rapids, Mich.....	30.17	34	+8
...Fort Wayne, Ind.....	30.10	38	+14
...Chicago, Ill.....	30.10	38	+14
...Milwaukee, Wis.....	30.04	40	+10
...Duluth, Minn.....	29.76	38	+22
...Toronto, Ont.....	30.24	48	+2
...Parry Sound, Ont.....	30.14	38	0
...White River, Ont.....	29.80	34	+2
...Sarnia, Ont.....	29.88	32	+5
...Minneapolis, Minn.....	29.80	40	+20
...La Crosse, Wis.....	29.60	40	+18
...Charles City, Iowa.....	30.04	36	+10
...Davenport, Iowa.....	30.08	42	+18
...Des Moines, Iowa.....	30.08	36	+10
...Keokuk, Iowa.....	30.12	44	+18
...Peoria, Ill.....	30.12	40	+14
...Springfield, Ill.....	30.10	42	+14
...St. Louis, Mo.....	30.08	44	+10
...Cairo, Ill.....	30.06	44	+8
...Springfield, Mo.....	30.10	44	+10
...Kansas City, Mo.....	30.10	44	+12
...St. Joseph, Mo.....	30.10	34	+4
...Columbia, Mo.....	30.08	42	+12
...Wichita, Kans.....	30.14	40	+6
...Concordia, Kans.....	30.14	34	+2
...Omaha, Nebr.....	30.10	32	+4
...Valentine, Nebr.....	30.14	26	+10
...Sioux City, Iowa.....	30.04	36	+4
...Huron, S. Dak.....	30.04	40	+4
...Moorhead, Minn.....	30.04	24	+4
...Bismarck, N. Dak.....	30.00	36	+10
...Devils Lake, N. Dak.....	30.06	18	+4
...Williston, N. Dak.....	30.02	30	0
...Havre, Mont.....	29.56	38	+2
...Helena, Mont.....	30.14	44	+4
...Miles City, Mont.....	30.06	34	+4
...Kalispell, Mont.....	30.20	30	+2
...Baker, Oreg.....	30.20	24	+4
...Pocatello, Idaho.....	30.38	24	+2
...Boise, Idaho.....	30.48	24	+2
...Rapid City, S. Dak.....	30.12	36	+2
...Shridan, Wyo.....	30.18	28	-6
...Yellowstone Pk., Wyo.....	30.34	28	+6
...Lander, Wyo.....	30.18	28	+4
...Salt Lake City, Utah.....	30.28	34	+2
...Modena, Utah.....	30.20	22	+6
...Grand Junction, Colo.....	30.26	28	0
...Cheyenne, Wyo.....	30.18	32	0
...North Platte, Nebr.....	30.16	26	-6
...Denver, Colo.....	30.16	34	+4
...Pueblo, Colo.....	30.22	26	-4
...Dodge City, Kans.....	30.22	32	0
...Oklahoma City, Okla.....	30.20	42	+2
...Amarillo, Tex.....	30.22	34	+2
...Dallas, Tex.....	30.14	50	+4
...Abilene, Tex.....	30.14	54	+12
...El Paso, Tex.....	30.08	42	+2
...Del Rio, Tex.....	30.08	60	+5
...Roswell, N. Mex.....	30.16	36	+5
...Santa Fe, N. Mex.....	30.20	30	+2
...Flagstaff, Ariz.....	30.18	12	+4
...Phoenix, Ariz.....	30.00	40	+2
...Tatoosh Island, Wash.....	30.34	44	+2
...Spokane, Wash.....	30.26	32	+2
...Seattle, Wash.....	30.34	44	+8
...Portland, Oreg.....	30.36	34	+2
...Roseburg, Oreg.....	30.34	32	0
...Tonopah, Nev.....	30.14	36	+6
...Winnemucca, Nev.....	30.42	16	+6
...Eureka, Calif.....	30.14	40	0
...Redding, Calif.....	30.08	48	+6
...San Francisco, Calif.....	30.06	50	+2
...Fresno, Calif.....	30.08	46	+6
...Los Angeles, Calif.....	30.00	52	0
...San Diego, Calif.....	29.98	50	-2



# Surface Weather Map - November 8, 1935

Continued  
to weaken &  
transition to  
Extratropical





# SUMMARY

**“Yankee” Hurricane of 1935: Oct. 30 – Nov. 8**

